

IN THE CLAIMS:

Amend claims 1, 3, 4, 6 and 20 as follows:

Sub 1. (Amended) A device for adjusting the position of a cutting insert
adjustably secured in a pocket disposed in a holder, comprising:

a cavity in said holder, at least a portion of said cavity being contiguous with
said pocket;

an intermediate component separate from said holder and disposed within
said cavity, said intermediate component comprising an external peripheral
surface and at least one expansion mechanism, said external peripheral
surface engaging the insert at said contiguous portion; and

a wedging device movably attached to said holder and engaging the
intermediate component such that actuation of the wedging device results in
expansion of the intermediate component in a direction substantially parallel
to a desired direction of adjustment of the insert.

3. (Amended) The device of claim 1 wherein said wedging device comprises
a conical wedge.

4. (Amended) The device of claim 3 wherein said wedging device includes
an adjustment screw threadingly engaged to the holder.

6. (Amended) The device of claim 1 wherein the intermediate component
further comprises opposite end faces facing generally parallel to a direction of
movement of said wedging device, each end face being intersected by at least one
[of said] expansion element.

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20. (Amended) A method for adjusting the position of an insert relative to a holder, wherein said tool body has a pocket having a floor and sides and a retaining device for adjustably securing the insert to said holder, comprising the steps of:

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positioning an insert in said pocket in engagement with a sleeve; the sleeve including an end, an external peripheral surface and at least one expansion mechanism; i.e., a hole extending through the end of the sleeve; the at least one expansion mechanism comprising generally aligned slot portions formed in the end and separated from one another by said hole; said external peripheral surface including a first portion engaging the insert, and a second portion engaging a wall of said cavity disposed opposite said pocket, said slot portions disposed between said first and second portions of said external surface; said hole having a tapered portion disposed adjacent said first portion of said external surface, and a cylindrical portion disposed adjacent said second portion of said external surface;

tightening the retaining device to adjustably secure the insert in the pocket;
and

inserting a wedging device into said hole, said wedging device exerting a wedging action against the tapered portion of the hole surface, thereby causing expansion of the first portion of the external surface, resulting in change of position of the insert.

Cancel claims 8-19 without prejudice or disclaimer and insert new claims 21-32 as follows:

a 14 8 21. (New) The device of claim 1 wherein said intermediate component comprises a sleeve having a through-hole extending therethrough, and through which said wedging element extends.

9/22. (New) The device of claim 21 wherein said through-hole is defined by a surface, a first portion of said surface located closest to said insert being tapered correspondingly to a taper of said wedging element, a second portion of said surface located diametrically opposite said first portion being substantially cylindrical.

Sub B37/10 23. (New) The device of claim 22 wherein said sleeve includes opposite ends through which said hole extends, each of said opposite ends including a pair of oppositely facing slots defining said expansion mechanism, said slots of each pair being separated from one another by said hole.

14 a 24. (New) The device of claim 23 wherein said sleeve includes a plurality of sides together forming a polygonal shape, a first of said sides being disposed adjacent said first portion of said hole surface, and a second of said sides being disposed opposite said first side and abutting against a wall of said pocket.

12 25. (New) The device of claim 21 wherein said sleeve includes a plurality of sides together forming a polygonal shape, a first of said sides being disposed adjacent said first portion of said hole surface, and a second of said sides being disposed opposite said first side and abutting against a wall of said pocket.

13 26. (New) The device of claim 1 wherein said holder comprises a rotatable tool body defining an axis of rotation.

15 27. (New) A device for adjusting the position of a cutting insert disposed within a pocket of a holder comprising:

a retaining device in said holder for adjustably securing said insert;

a sleeve disposed in a cavity in said holder, said cavity being at least partially contiguous with said pocket, said sleeve including opposite first and second

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ends and an external surface extending between said first and second sleeve ends, a through-hole extending through said sleeve from said first sleeve end to said second sleeve end, a surface of said through-hole defining an internal surface of said sleeve, a portion of said external surface defining a flexing flank surface for engaging a flank of said insert, said flexing flank surface having a length parallel to a center axis of said through-hole, a portion of said internal surface being situated adjacent said external flexing flank and being tapered with respect to said center axis, said first sleeve end including a first pair of oppositely disposed slots formed therein and separated from one another by said through-hole, said second sleeve end including a second pair of oppositely disposed slots formed therein and separated from one another by said through-hole, each of said slots extending from said external surface to said internal surface, said first pair of slots being offset from said second pair of slots in a direction perpendicular to said center axis; and

an adjustment screw extending through said through-hole and being threadingly connected in said holder, said screw including a wedge-shaped portion disposed in said through-hole and engaging said tapered surface portion of said internal surface adjacent said first and second sleeve ends, such that rotation of said screw in one direction causes said sleeve to expand at both of said first and second pairs of slots in a direction toward said insert, wherein said flexing flank surface is translationally displaced along its entire length toward said insert for displacing said insert.

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28. (New) The device according to claim 27 wherein a portion of said external surface disposed opposite said portion thereof which engages said insert is arranged to bear against a wall of said pocket prior to a termination of said expansion of said sleeve.

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29. (New) The device according to claim 28 wherein a portion of said internal surface situated opposite said tapered portion thereof is substantially cylindrical.

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30. (New) The device according to claim 27 wherein said holder comprises a tool body defining an axis of rotation.

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31. (New) The device according to claim 27 wherein said holder comprises a cartridge mounted in a tool body which defines an axis of rotation.

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32. (New) A device for adjusting the position of a cutting insert disposed within a pocket of a holder comprising:

a retaining device in said holder for adjustably securing said insert;

a cavity formed in said holder and being at least partially contiguous with said pocket, said cavity including a wall situated opposite said pocket;

a sleeve disposed in said cavity and including opposite first and second ends and an external surface extending between said first and second sleeve ends, a hole disposed in said sleeve wherein a surface of said hole defines an internal surface of said sleeve, a first portion of said external surface defining a flexing flank surface for engaging said insert, a second portion of said external surface being situated diametrically opposite said first portion and facing said wall of said cavity, a first portion of said internal surface being situated adjacent said external flexing surface and being tapered with respect to a center axis of said hole, a second portion of said internal surface being situated diametrically opposite said first portion and being cylindrically shaped, at least one of said sleeve ends including a pair of oppositely disposed slots separated from one another by said hole, each slot extending

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from said external surface to said internal surface and positioned between
said first and second portions of said internal surface; and

an adjustment screw including a wedge-shaped portion disposed in said hole
and engaging said first portion of said internal surface, said screw being
rotatable in a direction causing said sleeve to expand at said slots, wherein
said second portion of said external surface bears against said wall of said
cavity, and said first portion of said external surface is displaced toward said
insert to adjustably displace said insert.
